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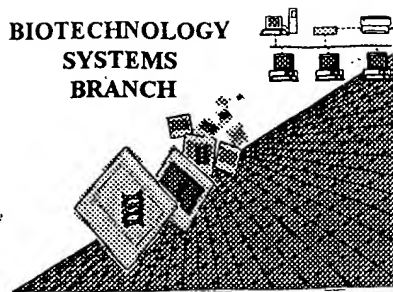
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0590

2/26

512
0380

BIOTECHNOLOGY
SYSTEMS
BRANCH



RAW SEQUENCE LISTING ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/756,097
Source: OIFE
Date Processed by STIC: 1/15/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: patin21help@uspto.gov or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: patin3help@uspto.gov or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER
VERSION 3.1 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

<http://www.uspto.gov/web/offices/pac/checker>

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebc/efs/downloads/documents.htm>> , EFS Submission User Manual - ePAVE)

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7th Floor, Examiner Name,
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

Raw Sequence Listing Error Summary

ERROR DETECTED

SUGGESTED CORRECTION

SERIAL NUMBER: 09/786,097

ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE

- 1 Wrapped Nucleics
 Wrapped Aminos The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."
- 2 Invalid Line Length The rules require that a line not exceed 72 characters in length. This includes white spaces.
- 3 Misaligned Amino
 Numbering The numbering under each 5th amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.
- 4 Non-ASCII The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.
- 5 Variable Length Sequence(s) contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.
- 6 PatentIn 2.0
 "bug" A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) . Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.
- 7 Skipped Sequences
 (OLD RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence:
 (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading)
 (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown)
 This sequence is intentionally skipped

 Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.
- 8 Skipped Sequences
 (NEW RULES) Sequence(s) missing. If intentional, please insert the following lines for each skipped sequence.
 <210> sequence id number
 <400> sequence id number
 000
- 9 Use of n's or Xaa's
 (NEW RULES) Use of n's and/or Xaa's have been detected in the Sequence Listing.
 Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present.
 In <220> to <223> section, please explain location of n or Xaa; and which residue n or Xaa represents.
- 10 Invalid <213>
 Response Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence
- 11 ✓ Use of <220> Sequence(s) 92 missing the <220> "Feature" and associated numeric identifiers and responses.
 Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. **← IMPORTANT**
 (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)
- 12 PatentIn 2.0
 "bug" Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.
- 13 Misuse of n n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.

OIPE

RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/756,097

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

Does Not Comply
Corrected Diskette Needed

PP1-26

4 <110> APPLICANT: Mitchell, Lloyd G.
 5 Garcia-Blanco, Mariano A.
 6 Puttaraju, Madaiah
 7 Mansfield, Gary S.

10 <120> TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR USE IN
 11 SPLICEOSOME MEDIATED RNA TRANS-SPLICING IN PLANTS

14 <130> FILE REFERENCE: A31304-B-A-C 072874.0138

16 <140> CURRENT APPLICATION NUMBER: 09/756,097

17 <141> CURRENT FILING DATE: 2001-01-08

19 <150> PRIOR APPLICATION NUMBER: 09/158,863

20 <151> PRIOR FILING DATE: 1998-09-23

22 <150> PRIOR APPLICATION NUMBER: 09/133,717

23 <151> PRIOR FILING DATE: 1998-08-13

25 <150> PRIOR APPLICATION NUMBER: 09/087,233

26 <151> PRIOR FILING DATE: 1998-05-28

28 <150> PRIOR APPLICATION NUMBER: 08/766,354

29 <151> PRIOR FILING DATE: 1996-12-13

31 <150> PRIOR APPLICATION NUMBER: 60/008,317

32 <151> PRIOR FILING DATE: 1995-12-15

34 <160> NUMBER OF SEQ ID NOS: 105

36 <170> SOFTWARE: FastSEQ for Windows Version 4.0

38 <210> SEQ ID NO: 1

39 <211> LENGTH: 132

40 <212> TYPE: DNA

41 <213> ORGANISM: Homo sapien

43 <400> SEQUENCE: 1

44 caggggacgc accaaggatg gagatgttcc agggcgctga tgatgttggt gattcttctt 60

45 aaatcttttg tgatggaaaa cttttcttcg taccacggga ctaaacctgg ttatgtagat 120

46 tccattcaaa aa 132

48 <210> SEQ ID NO: 2

49 <211> LENGTH: 29

50 <212> TYPE: DNA

51 <213> ORGANISM: Corynebacterium diptheriae

53 <400> SEQUENCE: 2

54 ggcgctgcag ggcgctgatg atgttggtg 29

56 <210> SEQ ID NO: 3

57 <211> LENGTH: 36

58 <212> TYPE: DNA

59 <213> ORGANISM: Corynebacterium diptheriae

61 <400> SEQUENCE: 3

62 ggcgaagctt ggatccgaca cgatttcctg cacag 36

64 <210> SEQ ID NO: 4

65 <211> LENGTH: 68

66 <212> TYPE: DNA

67 <213> ORGANISM: Artificial Sequence

69 <220> FEATURE:

70 <223> OTHER INFORMATION: Oligonucleotide

insufficient explanation - give source
of genetic
material

RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/756,097

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

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72 <400> SEQUENCE: 4
73 aattctctag atgcttcacc cgggcctgac tcgagtacta actggtacct cttctttttt 60
74 ttcctgca 68
76 <210> SEQ ID NO: 5
77 <211> LENGTH: 60
78 <212> TYPE: DNA
79 <213> ORGANISM: Artificial Sequence
81 <220> FEATURE:
82 <223> OTHER INFORMATION: Oligonucleotide
84 <400> SEQUENCE: 5
85 ggaaaaaaaaa gaagaggtac cagttagtag tcgagtcagg cccgggtgaa gcatctagag 60
88 <210> SEQ ID NO: 6
89 <211> LENGTH: 24
90 <212> TYPE: DNA
91 <213> ORGANISM: Artificial Sequence
93 <220> FEATURE:
94 <223> OTHER INFORMATION: Oligonucleotide primer
96 <400> SEQUENCE: 6
97 tcgagcaacg ttataataat gttc 24
99 <210> SEQ ID NO: 7
100 <211> LENGTH: 24
101 <212> TYPE: DNA
102 <213> ORGANISM: Artificial Sequence
104 <220> FEATURE:
105 <223> OTHER INFORMATION: Oligonucleotide primer
107 <400> SEQUENCE: 7
108 tcgagaacat tattataacg ttgc 24
110 <210> SEQ ID NO: 8
111 <211> LENGTH: 35
112 <212> TYPE: DNA
113 <213> ORGANISM: Artificial Sequence
115 <220> FEATURE:
116 <223> OTHER INFORMATION: Oligonucleotide primer
118 <400> SEQUENCE: 8
119 aattctctag atcaggcccc ggtgaagcac tcgag 35
121 <210> SEQ ID NO: 9
122 <211> LENGTH: 25
123 <212> TYPE: DNA
124 <213> ORGANISM: Artificial Sequence
126 <220> FEATURE:
127 <223> OTHER INFORMATION: Oligonucleotide primer
129 <400> SEQUENCE: 9
130 tgcttcaccc gggcctgac tagag 25
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 18
134 <212> TYPE: DNA
135 <213> ORGANISM: Homo sapien
137 <400> SEQUENCE: 10
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RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/756,097

TIME: 15:33:39

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Output Set: N:\CRF3\01152002\I756097.raw

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142 <212> TYPE: DNA
143 <213> ORGANISM: Homo sapien
145 <400> SEQUENCE: 11
146 ctcttctttt ttttcc 16
148 <210> SEQ ID NO: 12
149 <211> LENGTH: 18
150 <212> TYPE: DNA
151 <213> ORGANISM: Homo sapien
153 <400> SEQUENCE: 12
154 caacgttata ataatggt 18
156 <210> SEQ ID NO: 13
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158 <212> TYPE: DNA
159 <213> ORGANISM: Homo sapien
161 <400> SEQUENCE: 13
162 ctgtgattaa tagcgg 16
164 <210> SEQ ID NO: 14
165 <211> LENGTH: 16
166 <212> TYPE: DNA
167 <213> ORGANISM: Homo sapien
169 <400> SEQUENCE: 14
170 cctggacgcg gaagtt 16
172 <210> SEQ ID NO: 15
173 <211> LENGTH: 51
174 <212> TYPE: DNA
175 <213> ORGANISM: Homo sapien
177 <400> SEQUENCE: 15
178 ctgggacaag gacactgctt caccgcgtta gtagaccaca gccctgaagc c 51
180 <210> SEQ ID NO: 16
181 <211> LENGTH: 17
182 <212> TYPE: DNA
183 <213> ORGANISM: Homo sapien
185 <400> SEQUENCE: 16
186 cttctgtttt ttttctc 17
188 <210> SEQ ID NO: 17
189 <211> LENGTH: 16
190 <212> TYPE: DNA
191 <213> ORGANISM: Homo sapien
193 <400> SEQUENCE: 17
194 cttctgtatt attctc 16
196 <210> SEQ ID NO: 18
197 <211> LENGTH: 16
198 <212> TYPE: DNA
199 <213> ORGANISM: Homo sapien
201 <400> SEQUENCE: 18
202 gttctgtcct tgtctc 16
204 <210> SEQ ID NO: 19

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RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/756,097

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

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205 <211> LENGTH: 29
206 <212> TYPE: DNA
207 <213> ORGANISM: Corynebacterium diptheriae
209 <400> SEQUENCE: 19
210 ggcgctgcag ggcgctgatg atgttggtg          29
212 <210> SEQ ID NO: 20
213 <211> LENGTH: 36
214 <212> TYPE: DNA
215 <213> ORGANISM: Corynebacterium diptheriae
217 <400> SEQUENCE: 20
218 ggcgaaagctt ggatccgaca cgatttcctg cacagg          36
220 <210> SEQ ID NO: 21
221 <211> LENGTH: 21
222 <212> TYPE: DNA
223 <213> ORGANISM: Corynebacterium diptheriae
225 <400> SEQUENCE: 21
226 catcgtcata atttccttgt g          21
228 <210> SEQ ID NO: 22
229 <211> LENGTH: 20
230 <212> TYPE: DNA
231 <213> ORGANISM: Corynebacterium diptheriae
233 <400> SEQUENCE: 22
234 atggaatcta cataaccagg          20
236 <210> SEQ ID NO: 23
237 <211> LENGTH: 20
238 <212> TYPE: DNA
239 <213> ORGANISM: Corynebacterium diptheriae
241 <400> SEQUENCE: 23
242 gaaggctgag cactacacgc          20
244 <210> SEQ ID NO: 24
245 <211> LENGTH: 20
246 <212> TYPE: DNA
247 <213> ORGANISM: Homo sapien
249 <400> SEQUENCE: 24
250 cggcaccgtg gccgaagtgg          20
252 <210> SEQ ID NO: 25
253 <211> LENGTH: 30
254 <212> TYPE: DNA
255 <213> ORGANISM: Homo sapien
257 <400> SEQUENCE: 25
258 accggaattc atgaagccag gtacaccagg          30
260 <210> SEQ ID NO: 26
261 <211> LENGTH: 20
262 <212> TYPE: DNA
263 <213> ORGANISM: Homo sapien
265 <400> SEQUENCE: 26
266 gggcaagggtg aacgtggatg          20
268 <210> SEQ ID NO: 27
269 <211> LENGTH: 19

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RAW SEQUENCE LISTING

DATE: 01/15/2002

PATENT APPLICATION: US/09/756,097

TIME: 15:33:39

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

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270 <212> TYPE: DNA
271 <213> ORGANISM: Homo sapien
273 <400> SEQUENCE: 27
274 atcaggagtg gacagatcc 19
276 <210> SEQ ID NO: 28
277 <211> LENGTH: 39
278 <212> TYPE: DNA
279 <213> ORGANISM: Artificial Sequence
281 <220> FEATURE:
282 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
283 Escherichia coli lacZ gene
285 <400> SEQUENCE: 28
286 gcatgaattc ggtaccatgg ggggggttctc atcatcatc 39
288 <210> SEQ ID NO: 29
289 <211> LENGTH: 36
290 <212> TYPE: DNA
291 <213> ORGANISM: Artificial Sequence
293 <220> FEATURE:
294 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
295 Escherichia coli lacZ gene
297 <400> SEQUENCE: 29
298 ctgaggatcc ttttacctgt aaacgcccac actgac 36
300 <210> SEQ ID NO: 30
301 <211> LENGTH: 38
302 <212> TYPE: DNA
303 <213> ORGANISM: Artificial Sequence
305 <220> FEATURE:
306 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
307 Escherichia coli lacZ gene
309 <400> SEQUENCE: 30
310 gcatggtaac cctgcagggc ggcttcgtct gggactgg 38
312 <210> SEQ ID NO: 31
313 <211> LENGTH: 38
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
319 Escherichia coli lacZ gene
321 <400> SEQUENCE: 31
322 ctgaaagctt gttacttat ttttttgac accagacc 38
324 <210> SEQ ID NO: 32
325 <211> LENGTH: 47
326 <212> TYPE: DNA
327 <213> ORGANISM: Artificial Sequence
329 <220> FEATURE:
330 <223> OTHER INFORMATION: Oligonucleotide primer complimentary to the
331 Escherichia coli lacZ gene
333 <400> SEQUENCE: 32
334 gcatggtaac cctgcagggc ggcttcgtct aataatggga ctgggtg 47

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<210> 91
<211> 30
<212> DNA
<213> Artificial Sequence

<220>

<223> Oligonucleotide

insufficient

<400> 91

gtcagttgga ggaggacatc tccaagtttg

30

<210> 92

<211> 192

<212> DNA

<213> Artificial Sequence

see item 11 on Ena Summary Sheet

<400> 92

PSI

Use of n and/or Xaa has been detected in the Sequence Listing.
Review the Sequence Listing to insure a corresponding
explanation is presented in the <220> to <223> fields of
each sequence using n or Xaa.

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/756,097

DATE: 01/15/2002

TIME: 15:33:40

Input Set : A:\09756097SEQUENCELISTING.txt

Output Set: N:\CRF3\01152002\I756097.raw

L:551 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:552 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:54
L:569 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:570 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:55
L:587 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:588 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:56
L:952 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:85
L:1030 M:258 W: Mandatory Feature missing, <220> FEATURE:
L:1030 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION: